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A CATALOGUE

OF THE

MODELS, MACHINES, &c.

Received since the publication of the Thirtieth Volume of the Society's Transactions, with the Numbers as they are arranged in the Classes to which they belong.

Agriculture. Class I.

CXXI. A Model of a Machine for separating the Farina from Potatoes, from Mr. John Whately. See page 48.

CXXII. Two Implements for cutting out Potatoe Sets, from Mr. Richard Green. See page 71.

Chemistry. Class II.

XXVI. A Hydro-pneumatic Blow Pipe, from Mr. J. Tilley. See page 107.

Manufactures. Class III.

LVIII. A Model of a Tailor's Shop Board, from Mr. Samuel Barralet. See page 147.

LIX. A Model of a Stove for an economical Mode of burning Shavings, from Mr. J. Davis. See page 155.

Mechanics. Class IV.

CCCXXIII. A Model of a temporary Ship's Rudder, by Captain John Peat. See page 161.

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CCCXXV. A Model of an Elevator, by Mr. Thos. Roberts. See page 195.

CCCXXVI. A Model of a Machine for pointing Needles, by Mr. George Prior, Jun. See page 206.

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CCCXXVIII. An improved German Flute, by Mr. Malcolm M'Gregor. See page 215.

CCCXXIX A Model of a Gudgeon for a Water-wheel, by Mr. Robert Hughes. See page 221.

CCCXXX. A Model of a Guard for a Carriage Wheel, by Mr. John Padbury. See page 225.

CCCXXXI. An Apparatus for bleeding in place of Leeches, by Mr. J. Whitford. See page 229.

CCCXXXII. A Model of a Guide Post for public Roads, by Mr. James Swaine. See page 240.

CCCXXXIII. A Model of a Fire Escape Ladder, by Mr. A. Young, Jun. See page 244.

CCCXXXIV. A Centrical Guage, by Mr. H. R. Palmer. See page 247.

CCCXXXV. Expanding Centre Bits, by Mr. James Stone. See page 250.

Polite Arts. Class V.

XIX. An Instrument for drawing Ellipses, by Mr. John Farey, Jun. See page 117.

XX. A Method of preserving Oil Paintings, by Mr. C. Wilson. See page 142.

XXI A portable Painter's Easel, by Mr. F. Williams. See page 144.

Colonies and Trade. Class VI.

I. A Machine for braking and scutching Hemp, by Mr. Durand. See page 268.

A

CATALOGUE

OF

THE MACHINES, MODELS,

AND OTHER ARTICLES

IN THE REPOSITORY OF THE SOCIETY INSTITUTED FOR THE ENCOURAGEMENT OF ARTS, MANUFACTURES, AND COMMERCE,

JOHN-STREET, ADELPHI,

Which may be viewed any Day, Sundays and Wednesdays excepted, between the Hours of Ten and Two, by an Order from a Member.

N. B. The Date of the Year prior to 1783 refers to Two Folio Volumes of the Society's Models and Machines, with Descriptions, by A. M. Bailey, Registra, printed for B. White, Fleet-street, 1782; and subsequently to the Thirty-one Volumes, 8vo. of the Society's Transactions, which contain a full account of each Article; all or any of which Volumes may be had at the Society's House.

CLASS 1st.

AGRICULTURE.

Model of a Machine for drying Madder.—George Rutt. 1763.
Bee Box, Hive, and Glass.—Sir Charles Whitworth. 1763.
Knives for separating Honey Combs.
Dish to feed Bees.—John Hutchinson. 1792.

Braybant Scythe.—William Hanbury. 1763.
Hanault Scythe, and Staff Hook.—William Hanbury. 1763.
An improved Reaping hook.—Joseph Hutton. 1810.
Spring and Index to shew the Draft of Horses in Ploughing.—
Samuel More. 1772.
Model of a Plough for mending Roads.—Chris. Pinchbeck. 1774.
Model of a Plough for turning up Heath Ground.—Mr. Ringrose. 1763.
Plough for Pareing and Burning.
Model of a Plough with six Shares.—Robert Gee. 1767.
Do. Do.—Edward Hooper. 1767.
Model of a Wheel Plough.—Mr. Hope. 1773.
Swing Plough.
Iron Plough.—Mr. Brand. 1773.
Model of a Plough for cutting Trenches.—R. Haywood. 1783.
Model of a Drain Plough.—Mr. Makins. 1770.
Model of a Mole Plough, for Under-draining.—Wm. Bedford. 1800.
Do. Do.—Mr. Minshel.
Plough for Surface draining.
Model of a Plough for do.—Duke of Bridgewater. 1801.
Turnrise Plough.—Colonel Hamilton. 1793.
Model of a Kentish Turnrise Plough.—George Meredith. 1803.
Model of a Three Furrow Plough.—Rev. E. Cartwright. 1803.
Model of a Screw-adjusting Plough.—Thomas Balls. 1810.
Model of a Thistle Cutter.—Mr. Ringrose. 1763.
Dock Fork.—J. Baker. 1810.
Model for tearing up Couch Grass.
Model of a Sacrificator.—Mr. Butler. 1775.
Model of a Cultivator.—William Lester. 1801.
Model for making Close Drills.—Mr. Bestland. 1766.
Model of a Drill Machine.—Mr. Ramsden. 1795.
Drill Machine for sowing turnips.—Thomas Knight. 1801

Drill Machine for sowing Turnips.—Rev. T. C. Munnings. 1801.
Hand Drill.—Robert Green. 1803.
Model of a Bush Harrow.—Thomas Hooton. 1789.
Model of a Road Harrow.—Mr. Harriott. 1789.
Model of Harrows.—Edward Knight. 1796.
Model of a Weed Harrow.—J. C. Curwen. 1806.
Model of Expanding Harrows.—William Jeffery. 1810.
Horse Hoe.—Rev. Mr. Hewitt. 1767.
Model of an Expanding Horse Hoe.—Wm. Ilbert. 1778.
Hand Hoe.—James M'Dougal. 1793.
Model of a Machine for laying Land Level.—C. Saverland. 1771.
Do. Do.—Colonel Hardy. 1803.
Model of a Land Roller.—Captain Hinde. 1775.
Model of a Garden Roller.—Thos. Greenstreet. 1781.
Model of an Embankment in gaining Land from the Sea.—Edward Corbet. 1794.
Instruments to blast or break the Roots of Trees.—Richard Knight. 1802.
Instrument for setting Acorns.—C. Waistell. 1811.
Pruning Knife.—S. D. Bucknall. 1794.
Instrument for pruning Timber Trees.—Jas. Ogden. 1812.
Model of a Peat Borer.—Thomas Eccleston. 1801.
Model of a Field Gate.—Thomas Orme. 1766.
Do. Do.—Charles Waistell. 1804.
Model of a Field Gate to open up Hill.—William James. 1791.
Improved Gate Fastenings and Hangings—Mr. Parker. 1804.
Gate Fastener.—Josiah Taylor. 1794.
Bolt for a Gate.—Mr. Friend. 1777.
Latch Lock for Park Gates.—Mr. Moser. 1784.
Model of a Method of preserving Hay Ricks in wet weather.—Richard Toft. 1778.
Do. Do.—Mr. Ailway. 1786.
Model of a Temporary Corn Rick.—Wm. Jones. 1811.
Model of a Thrashing Machine.—Wm. Sabatier. 1796.

Model of a Thrashing Machine.—H. P. Lee. 1810.
Model of a Machine for Thrashing Flax or Hemp.—E. Cleall. 1807.
Model of a movable Barn Floor.—John Upton. 1796.
Model of a Chaff Cutter.—Robert Salmon. 1797.
Model of a Machine for dressing Wheat.—Mr. Mackell. 1761.
Chinese Method of Clearing Rice from the Husks.
Model of a Chinese Winnowing Machine.
Model of a Machine for slicing Turnips.—Mr. Kite. 1780.
Model of a Cabbage or Turnip Slicer.—T. B. Parkyns. 1788.
Instruments to relieve hoven Cattle.—Richard Eager. 1796.
Trocar and Canula for hoven Cattle.—W. W. Mason. 1808.
Model of a Churn.—Mr. Murrell. 1791.
Do. Do.—William Sampson. 1812.
Improved Churn.—William Bowler. 1795.
Model of a Swivel-headed Churn-staff.—Thomas Fisher. 1808.
Fumigating Bellows.—Mr. Green. 1771.
Syringe to Water Plants or Flowers.—William Winlaw. 1792.
Improved Sheep Shears.—Captain J. Miller. 1805.
Brush to mark Sheep.
Model of a Moveable Sheep Fold.—Thomas Plowman. 1804.
Bullock Holder.—Thomas Hooton. 1797.
Artificial Mother to rear Poultry.—Mrs. D'Oyley. 1807.
Model of a Machine for washing Potatoes.—J. C. Curwen. 1804.
Do. Do.—Wm. Lester. 1809.
Instrument to take the Eyes out of Potatoes.—T. Fogg. 1802.
Do. Do. Dr. Taylor. 1803.
Two Do. Do. Mr. Green. 1813.
Machine to Sift Flour.—Thomas Rustall. 1800.
Parish or Family Mill.—Thos. Rustall. 1800.
Model of a Machine for grinding Potatoes to make Bread.—John Whately. 1813.
Instrument to collect Cream.—Mr. Foulks. 1813.

A Mole Trap.—Leonard Phillipps. 1813.
Man Trap.—Robert Salmon. 1809.
Sample of Millet Seed.
Sample of English Tobacco.—Hon. Daines Barrington, 1783.
Racine De Disette.—Lord Randcliff. 1786.
Turnip-rooted Cabbage Seed.—Wm. Walcot. 1788.
Sweedish Turnip Seed. 1789.
Meadow Fox Tail Grass Seed.—1790.
Winter Grass Seeds, from South Carolina. 1792.
Sample of Spring Wheat.—J. G. Calthorpe. 1806.
Do. Do.—T. C. Skurray. 1812.
Smyrna Madder Seeds.—J. S. Smith. 1807.
Meadow Fescue Grass Seed.—Wm. Salisbury. 1809.
Specimen of Pineaster Wood.—J. B. Petre. 1810.
Specimens of different Woods.—Mr. Pontey. 1811.
Sample of Flour from Potatoes.—John Whately. 1813.
Sample of Biscuits made from Potatoe Flour.—Jno. Whately. 1813.

CLASS 2d.

CHEMISTRY, DYEING, and MINERALOGY.

Specimens of Crucibles Manufactured from English Black-lead.
Model of a safe Turpentine Boiler.—Mr. Bream. 1787 & 1803.
Model of an Evaporator.—Henry Brown. 1794.
Model of a drying Stove.—George Field. 1806.
Model of Instruments for making Muffles for Chemical Purposes.—E. Turrell. 1807.
Machine to prevent the ill effects of Mercury in Metal Gilding.—J. Hill. 1774.
Do. Do.—Richard Brigden. 1811.
Model of a Machine to prevent the ill effects of making White-lead.—Archer Ward. 1795.

Instrument to wound Poppy Heads for Opium.—T. Jones. 1800.
Do. Do.—A. Devis. 1798.
Hydrometer for Spirits or Worts.—Mat. Quin. 1790.
Model of a Vapour or Shower Bath.—Dr. Cumming. 1812.
Model of a Filtering Stone.—William Moult. 1810.
Specimen of a Jar to preserve Butter in hot Climates.—A. Hodge. 1812.
Model of a Steam Chimney.—George Webster. 1811.
Specimen of a Cement for damp Walls.—C. Wilson. 1806.
Specimen of Stucco for Walls.—H. B. Way. 1811.
Specimen of a Substitute for Portland Stone.—C. Wilson. 1812.
Specimen of Japanning with the Spirit of Coal Tar.—B. Cooke. 1810.
Spirit of Coal Tar.—Mr. Cooke. 1810.
Asphaltum from Pit Coal.—Mr. Cooke. 1810.
Essence of Tan from the Bark of the Mangrove Tree.—Dr. Roxburgh. 1804.
English Turpentine.—H. B. Way. 1810.
Samples of Leather Tanned with Larch Bark.—T. White. 1813.
Sample of Fruit Preserved without Sugar.—T. Saddington. 1807.
English Rhubarb Seeds.—Mr. Ball. 1795.
Do. Do. prepared various ways.—Mr. Hayward. 1794.
English Rhubarb.—Mr. Maud. 1808.
English Opium.—Mr. Baker. 1795.
Do. Do.—Mr. Jones. 1800.
White Lilly Root Powder.—Mr. Willis. 1804.
Vernal Squill Powder.—Mr. Willis. 1804.
English Verdegris.—Mr. Gee. 1786.
Do. Do. 1800.
Edulcorated Fish Oil.—Robert Dossie. 1761.
Fish Oil prepared for Painting.—Mr. Vanherman. 1805.
Oil of Sessamum Seed.—Samuel Bowen. 1775.
Do. of Sun Flower Seed.—Charles Barrow. 1775.
Do. of Earth Nutts.—Samuel Bowen. 1775.

Oil of Cotton Seed.—Mr. Beatson. 1796.
Do. of Adjowen.
Starch from Horse Chesnuts. 1795.
Starch from the Arum Maculatum.—Jane Gibbs. 1797.
Indigo.—Mr. Brown, Jamaica. 1762.
Do.—Mr. Strachey. 1775.
Do.—John Robley, Tobago. 1778.
Sample of Annatto, from Calcutta.—Dr. Roxburgh. 1811.
Specimen of Permanent Black Dye, from the East Indies.—Dr. Howison. 1804.
Native Blue.—Dublin Society. 1806.
Sample of Ochre—Lord Riblesdale. 1806.
Ore of Zinc.—Lord Riblesdale. 1806.
British Rock Salt. 1806.
Spirit of Carrots. 1788.
Substitute for Peppermint Water.—Mr. Salisbury. 1810.
Aluvial Matter from Cero de Trio.—Mr. Maw. 1811.
Glass for Acromatic Telescopes. 1771.
Specimens of Scotch Granate.—A. Mitchel, Esq. 1810.
Do. of Marble.—Alexander Mitchel, Esq. 1810.
Do. of Marble from the Rohsclyn Quarry, Anglesea.—Rev. Robert Williams. 1810.
Volcanic Earth, from Barbadoes.—Chris. Wilson. 1812.
Sessamum Seed.—Samuel Bowen. 1775.
Adjowen Seeds.—Mr. Complin. 1797.

CLASS 3d.

MANUFACTURES.

Model of a Machine to Twist Rope or Cordage.—George Sylvester. 1790.
Machine for Spinning and Winding.—Mr. Webb. 1761.
Do. Do.—Robert Burt. 1793.
Double-handed Spinning Wheel.—Mr. Perrin. 1761.

Horizontal Spinning Wheel.—Mr. Harrison. 1764.
Improved Spinning Wheel.—John Antis. 1793.
Do. Do.—John Antis. 1795.
Model of a Machine to spin Cotton.—John Barton. 1788.
Wheel for Spinning the Silk from Cocoons.—Mrs. Jones. 1792.
Spindle and Whirl.—Miss Ives. 1789.
Machine for Winding Balls of Thread.—John Powell. 1779.
A Silk Reel.—Mr. Verrier. 1762.
Ditto.—Mr. Pownall. 1762.
Model of a Silk Reel.—Mr. Pullen. 1762.
Model of a Loom for Weaving Modes.—Sam. Sholl. 1789.
Model of an Improved Silk Loom.—Wm. Jordan. 1794.
Model of a Loom for Weaving Ribbands.—Thos. Clulow. 1800.
Model of a Loom for Weaving Round Work.—T. Clulow. 1802.
Model of a Loom to Work by Steam.—J. Austin. 1805.
Spotting Shuttles.—J. Austin. 1805.
Model of an Engine Loom for Weaving Satin Guard.—James Pickard. 1804.
Model of a Swivel Loom for Weaving Satin Guard.—James Birch. 1804.
Model of a Loom to Weave Fishing Nets.—J. Robertson. 1806.
Articles used in Warping.—Thomas Barker. 1803.
Model of a Drawboy for Weaving Figured Work.—Alexander Duff. 1807,
Do. Do.—John Sholl. 1810.
Earthen Types for Calico Printers.—J. Austin. 1805.
Cutter for Silk Shag Edgings.—Peter Tansley. 1808.
Model of a Machine for covering Wire with Silk.—Thomas Saddington. 1809.
Model of a Machine for Twitching Wool.—Hugh Hughes. 1789.
Machine for Cutting and Crooking Wires for Wool Cards.—J. Beard. 1805.
Model for Braking Hemp.—Wm. Bond. 1807.

Model of a Machine for Braking and Scutching Hemp.—Mr. Durand. 1813.

Model of a Machine for Hackling Hemp or Flax—Matthew Murray. 1809.

Chinese Model for ginning Cotton.

Sample of fine Spinning in Wool.—Miss Ives. 1789.

Specimen of Woollen Rope and Sacking.—G. Whitworth. 1808.

Wool, Yarn, and Cloth, from Merino Sheep bred in England.—Mr. Sheppard. 1811.

Frame for Breeding Silk Worms.—Rev. George Swaine. 1789.

Silk from Worms bred in England.—Mrs. Williams. 1784.

Do. Do.—Miss Rhodes. 1786.

Do. Do.—Rev. Mr. Swaine. 1789.

Do. Do.—Mrs. Barlow. 1810.

Silk and Cocoons, from Worms bred in England.—Mr. Bertezen. 1790.

Sample of English Silk.—Spun by Mrs. Jones. 1791.

Specimens of Vegetable Silk and Cotton from Barbadoes. 1784.

Sample of Silk Grass. 1786.

Silk.—Dr. Anderson, of Madras. 1793.

Seeds and Silk of the Corchorus Olitorus.—R. Wissett, Esq. 1795.

Organzined Silk from the East Indies.—R. Wissett, Esq. 1796.

Cloth and Thread from the Mango-tree Silk Worm.—Dr. Roxburgh. 1809.

Cloth and Thread from the Palma Christi Silk Worm.—Dr. Roxburgh. 1809.

Silk of the Asclepias Gigantia.

Samples of the first Quilting in the Loom, for which the Society gave, in various Premiums, the Sum of 410*l.* in the years 1762, 3, 4 and 5.

English Tapestry, Wove in the Loom.—Mr. Freestone. 1773.

Net Wove in the Loom.—Mr. Freestone. 1776.

Do. Do.—Mr. Boswell. 1796.

Sample of Fine Weaving.—Mr. Neven. 1806.

Point Lace made in England. 1763.
Lace made with Knitting Needles. 1764.
Cambric made in England,—Mrs. Yates. 1780.
Sample of English Damask.—Mr. Lockett. 1810.
English Leghorn Platt.—Mr. Corston. 1805.
Tartan Stocking.—J. Robertson. 1811.
Cotton dyed Turkey Red and Yellow. 1761.
Sample of a Manufacture to Preserve Fruit Trees from Blight.—Colonel Taylor. 1808.
Bag to press the juice out of the Casava Root.—J. Steele. 1786.
Sample of British Sail Cloth.—R. and G. Caymes. 1812.
Sample of Flax from China Hemp. 1780.
Articles Manufactured in England from China Hemp.—Mr. Hardwick. 1787.
Hemp of the Agave Vivipara.—Dr. Anderson. 1809.
Hemp from the Plantain Tree.—Mr. Duncan, Demarara. 1809.
Hemp from Bean Stalks.—Rev. Mr. Hall. 1809.
Various Samples of Hemp from Quebec. 1804-5-6.
Cloth made from the Plantain Tree.—Mr. Bayley. 1767.
Thread and Cloth made from Hop Stalks.—Mr. Lockett. 1791.
Sample of Gomueter Yarn from Amboyna.—Col. Tatham. 1802.
Sample of Aquatic Wool from St. Petersburgh. 1793.
Paper made from Nettles.—Mr. Graves. 1787.
Specimen of Cloth and Paper made from Nettles.—Edward Smith. 1811.
Paper from the Paut Plant.—Wm. Wilmot. 1801.
Do. made of Withen Bark.—Mr. Greaves. 1789.
Fibres of Common Broom.
Do. of Ragwort.

CLASS 4.

MECHANICS.

Model of a Machine for Grinding and Polishing Glass.—Mr. Burrows. 1767.

Model of a New Constructed Arch.—Mr. Arrow. 1772.
Model of a Machine to obtain a Rotatory by an Alternate Motion.—K. Fitzgerald. 1768.
Do. Do.—Thomas Armstrong. 1790.
Iron Frame for an Umbrella.—Mr. M'Kenzie. 1776.
Gauging Rod.—Mr. Efford. 1767.
Model of a Counterbalance for Ropes in the Shaft of a Mine.—Wm. Featherstonhaugh. 1799.
Machine to show the number of Boxes of Coals raised from a Mine in a given time.—John Antis. 1803.
Model of a Machine to raise Coals or Ore.—Mr. Hullman. 1775.
Do. Do.—Thomas Arkwright. 1801.
Do. Do.—Gilbert Gilpin. 1807.
Model of a Machine for cutting Piles off under Water.—John Foulds. 1795.
Model of a Double Pile Driver.—Mr. Harvey. 1794.
Model of a Saw Mill.—James Stainsfield. 1766.
Model of a Crank of a Saw Mill.—John Foulds. 1780.
Model of a Machine for Sawing Marble.—Robert Fulton. 1794.
Curvilinear Saw.—John Trotter. 1806.
Breast Wimble, with universal Joint.—Mr. Delevitz. 1771.
Worm Auger.—Phineas Cook. 1771.
Plane to Cut Willows for Chip Hats.—Mr. Galloway. 1775.
Model of a Foot Lathe.—Jos. Ridley. 1797.
Spheres turned in a Lathe.—Thomas Cooke. 1799.
Model of a Machine for Boring Cones.—Cha. Williams. 1810.
Improved Expanding Centre-Bit.—James Stone. 1813.
An Improved Gauge for marking Centre Lines.—H. R. Palmer. 1813.
Nail or Bolt Drawer.—Wm. Rich. 1787.
Wrench for Screw Nuts.—Wm. Barlow. 1808.
Model of an Expanding Band Wheel.—Andrew Flint. 1805.

Model of a Method of securing Decayed Girders.—Ja. Woart. 1802.

Model of a Truss Girder to raise a roof when sunk in the middle.—James Woart. 1803.

Model of a Machine to measure Timber.—Jas. Broad. 1807.

Instrument to measure Timber.—Thomas Colley. 1794.

Improved Tram Plates.—Charles Le Caan. 1807.

Specimen of Draining and Closure Bricks.—J. Stephens. 1811.

Model of an Inclined Plane for Canals.—Edmond Leach. 1786.

Model of a Canal Lock.—Robert Salmon. 1805.

Model for raising Water.—Mr. Wirtz. 1768.

Hydraulic Machine.—Mr. Westgarth. 1769.

Model of Machinery to raise Water out of Deep Wells.—Geo. Butler. 1794.

Model of a Wind-Mill to Drain Land.—Mr. Collier. 1758.

Model of a Tide Mill.—Rev Mr. Gainsborough. 1761.

Model of a Water Wheel.—Mr. Besant. 1801.

Model of an Improved Axis for large Water Wheels.—Robert Hughes. 1813.

Model of a Machine for Cleansing Drains.—T. Walters. 1794.

Model of a Machine to drain a Pond without disturbing the Mud.—Colonel Dansey. 1790.

Model of a Machine for clearing Rivers from Weeds.—Chevalier De Betancourt. 1796.

Model of Machinery for constructing Pisé or Earth Walls.—Robert Salmon. 1809.

Model of a Mill to Grind Hard Substances.—Garnet Terry. 1801.

Model of a Machine to Grind Colours.—Jas. Rawlinson. 1804.

Model of a Mill for making Slate Pencils.—J. Brockbank. 1809.

Improved Gudgeon.—Stephen Kendrick. 1793.

Model of a Method of preventing Machinery taking Fire by Friction.—Colonel Chrichton. 1805.

Tachometer to ascertain the velocity of Machinery.—B. Donkin. 1810.

Model of a Calender.—Edward Bunting. 1797.

Do. Do.—John Jones. 1786.

Model of a Mangle.—George Gee. 1798.

Model of a Triple Bellows.

Model of a Machine to Fish-up Goods from the Bottom of the Sea.—Mr. Frazer. 1776.

A Beam Compass.

Tuscan Arch to prevent Children being over-laid.—Count Berchtold. 1789.

Ring to fit various Fingers.—J. D. Ross. 1803.

Self-regulating Tallow Lamp.—J. W. Boswell. 1806.

Vent-Screw for Beer Barrels.—George Gee. 1798.

Model of a Temporary Scaffold.—Joseph Davis. 1812.

Flush Chest Handle.—Edward Johnson. 1778.

Balance for Roasting.—Charles Gower. 1787.

Model of a Machine for cutting Meat or Roots.—T. Newton. 1809.

Chest or Door Lock.—T. Cornthwaite. 1780.

Do. Do.—T. Cornthwaite. 1783.

Do. Do.—T. Arkwright. 1800.

Mortice Lock with Improved Latch.—John Antis. 1805.

Drawback Lock.—Wm. Bullock. 1801.

Latch Lock.—Mr. Taylor. 1784.

Secret Escutcheon for Locks.—Mr. Marshall. 1784.

Improved Night Bolt.—John Antis.

Book-Case Bolt.—Peter Herbert. 1805.

Model of Rack Bolts for Folding Doors.—William Bullock. 1798.

Lever Lock Bolt for Folding Doors.—Wm. Bullock. 1800.

Model of a Door with Spiral Spring Hinge.—Mr. Delevitz. 1768.

Spiral Spring Hinge.—Mr. Delevitz. 1768.

Model of a Door with a falling Hinge.—Mr. Gascoigne. 1773.

Model of an Air-tight Hinge.—Martin Furness. 1807.

Model shewing a Method of Raising Doors over Carpets.—John Harrison. 1780.

Do. Do.—F. Tad. 1808.

Door or Window Pannel, with Steel Wires passed through, to prevent House-breaking.—Joseph Davis. 1807.

Sash Pulley.—Mr. Flower. 1771.

Sash Fastener.—Colin M'Kenzie. 1790.

Model of a Machine to prevent Accidents to Painters and Glasiers.—Joseph Davis. 1806.

Model of a Window to prevent Accidents in Cleaning Windows. —George Marshall. 1810.

Machine for Sweeping Chimneys.—George Smart. 1805.

Model of a Machine to Sweep Chimneys.—Joseph Davis. 1807.

Metal Rope or Chain.—William Hancock. 1796.

Do. Do.—G. Gilpin. 1809.

Model of a Walking Wheel Crane with a Stop to prevent accidents.—Christopher Pinchbeck. 1767.

Model of a Wheel Crane with Stop to prevent Accidents—Mr. Bunce. 1784.

Do. Do.—Jos. Dixon. 1793.

Hand Crane with three Powers.—John. Braithwaite. 1784.

Model of a Weighing Crane.—Abraham Andrews. 1791.

Safe Hand Crane.—John Bell. 1791.

Model of a Crane on an Inclined Plane.—James White. 1792.

Model of a Double Gibb Crane.—Richard Johnson. 1793.

Model of an Expanding Crane.—Robert Hall. 1794.

Model of a Crane with a Fly Wheel.—Mr. Wellman. 1795.

Model of a Cellar Crane.—Thomas Gent. 1801.

Model of a Crane.—Gilbert Gilpin. 1805.

Model of a Cross Bar Lever.—Mrs. Wyndham. 1796.

Iron Plug to raise Large Stones.—R. Richardson. 1808.

Model of a Jack for Raising Weights.—A. Staghold. 1771.

Do. Do.—Mr. Mocock. 1789.

Model of a Machine for loading and unloading Goods.—Geo. Davis. 1797.
Model of a Screw Press.—Wm. Bowler. 1803.
Model of Screws for Packing Presses.—George Gilpin. 1777.
Model of a Double Packing Press.—John Peek. 1797.
Model of a Printing Press.—Joseph Ridley. 1795.
Stereotype Plates.—A. Wilson. 1811.
Bookbinders Press.—James Hardie. 1806.
Model of a Machine for cutting the Edges of Books.—J. J. Hawkins. 1805.
Model of a Machine to split Skins.—B. Stott. 1806.
Instrument to Equalize the Width of Leather Straps.—L. Aubery. 1810.
Instrument to Equalize the Thickness of Leather Straps.—L. Aubery. 1810.
Model of a Machine fer separating Iron and Brass Filings.—J. D. Ross. 1810.
Screw File for Papers.—Richard White. 1809.
Instrument for Gauging the Cutters for Watch Wheels.—Rob. Hynham. 1799.
Sector and Depthning Tool for Watch Makers.—J. Ridley. 1788.
Watch Escapement.—S. Mendham. 1807.
Do. Do.—Matthew Hill. 1784.
Do. Do.—William Howells. 1792.
Do. Do.—Mr. Staples. 1809.
Do. Do.—John De Lafons. 1801.
Do. Do.—John Prior.—1798.
A Clock with a Crank Escapement.—Simon Goodrich. 1799.
Clock Escapement.—Edward Massey. 1803.
Do. Do.—George Prior. 1809.
The Striking part of an Eight-day Clock.—John Prior. 1803.
Do. Do.—Ed. Massey. 1803.
Do. Do.—John Prior. 1811.

The Striking Part of an Eight-day Clock.—Hen. Ward. 1805.
Remontoire Clock Escapement.—John Antis. 1805.
Remontoire Escapement.—George Prior. 1811.
Improved Escapement for Time-keepers.—J. Watkins. 1805.
Improved Repeating Watch.—J. M. Elliott. 1804.
Alarum for Pocket Watches.—John Prior. 1805.
Noctuary for a Watch.—G. Spark. 1810.
Method of Banking the Balance of a Time-keeper.—W. Hardy. 1804.
Method of equalizing the Long and Short Vibrations in Time-keepers.—Wm. Hardy. 1807.
Compensation Balance.—Wm. Hardy. 1805.
Compensation Pendulum.—Henry Ward. 1807.
Model of a Compensation Pendulum.—A. Reid. 1810.
Do. Do.—David Ritchie. 1812.
Index Balance for Weighing.—S. Clayss. 1771.
Machine for Weighing Gold Coin.—Mat. Hill. 1775.
Instrument to show the difference of Weights in various parts of Europe.—Mons. Hanin. 1790.
Mariners Compass.—W. Nairne.
Compass and Protracter.—Aaron Miller. 1767.
Instrument to take Heights and Distances.—R. Samuel. 1782.
Instrument to Measure Angles.—Mat. Hill. 1789.
Quadrant.—Mr. Hadley.
Quadrant of Altitude.—Gabriel Wright. 1784.
Instrument to be used instead of the Quadrant of Altitude.—George Maling. 1783.
Geometrical Quadrant.—Robert Salmon. 1805.
Do. Do.—Robert Salmon. 1811.
Compass for Land Surveying.—J. Hodgson. 1811.
Balance Level.—Richard Drew. 1807.
Reflecting Circle.—James Allan. 1811.
The Dividing Engine of the late Mr Hooke.—A. Reid. 1810.
Model of a Mathematical dividing Engine.—J. Allan. 1810.

Machine for reducing Plans, &c.—James Bayley. 1790.

Improved Parallel Ruler.—Mr. Boswell. 1807.

Improved Instrument for Drawing Ellipses.—John Farey, jun. 1813.

Engraved Slates, by the use of which Children may Learn to Read and Write without Pen, Ink, or Paper.—Thomas Warren. 1809.

Instrument to form the Hand to Write correctly.—Thomas Perry. 1812.

Instrument to work Addition of Numbers.—J. Goss. 1812.

Chinese Calculator.—William Annand. 1810.

An improved German Flute.—Malcolm M'Gregor. 1813.

Improved Rat Trap.—William Bowler. 1812.

Method of coating Iron Bars with Lead—Capt. Brodie. 1804.

Model of a Cone or Break-Water.—Capt. Brodie. 1804.

Model of the York East Indiaman, showing the method of Floating her to Deptford, after having been driven on shore at Margate.—Wm. Barnard. 1779.

Model of a Vessel to Steer itself when under Sail.—Col. Wemyss. 1791.

Floating Light to save Persons who fall Overboard in the Night. William Shipley. 1776.

Model of a Boat to break Ice on Navigable Canals.—Mr. Berche.

Model of a Boat to assist Persons on the Ice.—Count Berchtold. 1792.

Model of a Mortar, to throw a Rope to or from Shore in case of Shipwreck.—Lieutenant Bell. 1792.

Models of Articles to relieve Persons in Stranded Ships.—Capt. Manby. 1808.

Drag for Drowned Bodies.—Dr. Cogan. 1806.

Model of a Drag for Drowned Bodies.—John Miller. 1809.

Marine Spencer to Prevent Drowning.—Knight Spencer. 1806.

Air Jacket or Life Preserver to prevent Drowning.—F. C. Daniel. 1807.

Model of a Life Boat.—Henry Greathead. 1802.

Model of a safe Sailing Boat.—Christ. Wilson. 1807.

Model of a Machine to bore Augur-holes on Board a Ship.—William Bayley. 1760.

Model of a Mooring Block.—Samuel Henman. 1810.

Model of a Wedge for suspending Ships.—Mr. Sepping. 1804.

Model of an Anchor with Improved Hooks and Stock.—Capt. Ball. 1803.

Model of Iron Knees for Ships.—Wm. Roberts. 1808.

Model of a Method of securing the Beams of Ships without Wooden Knees.—George Williams. 1809.

Model of a Gun to Fire at the Tops of Enemies' Ships.—Capt. Bagnold. 1811.

Model of a Machine to Draw Bolts out of Ships.—Wm. Hill. 1792.

Do. Do.—Capt. Bolton. 1798.

Model for Driving Bolts into Ships.—R. Phillips. 1801.

Model of a Ship Stove.—Joseph Collier. 1807.

Model of an improved Binnacle and Lamp.—G. Preston. 1813.

Model of a Double Capstan.—John Doscher. 1775.

Model of a Capstern to prevent the Surging of the Messenger.—J. W. Boswell. 1807.

Model of a Method of repairing Masts when damaged.—Captain Pakenham. 1792.

Model of a Jury Mast.—Captain Bolton. 1808.

Do. Do.—Capt Bolton. 1809.

Model of a Substitute for a Rudder.—Capt. Pakenham. 1789.

Model of a Temporary Rudder.—Capt. J. Peat. 1813.

Model of a Day and Night Telegraph.—Joseph Davis. 1805.

Model of the Swedish Telegraph.—Sir A.N. Edelcrantz. 1808.

Model of a Crank for a Telegraph.—Wm. Ward. 1808.

Model of a Telegraph.—C. Le Hardy. 1808.

Do. Do.—Captain Maxwell. 1809.

Do. Do.—Captain Maxwell. 1811.

Disk for Telegraphic Signals.—Knight Spencer. 1809.
Model of Telegraphic Signals.—Captain Maxwell. 1809.
Model of a Gun Rammer.—Mr. Cook. 1787.
Gun and Harpoon.—Richard Gibson. 1775.
Model of a Gun for throwing Harpoons.—Ab. Staghold. 1775.
Do. Do.—Char. Moore. 1790.
Model of a Gun and Harpoon.—Lieut. Bell. 1793.
Model of a Harpoon.—Nath. Bayles. 1786.
Gun with Lock to prevent Accidents.—John Webb. 1802.
Pistol with Bolt to prevent Accidents.—E. Baker. 1810.
Improved Gun Lock.—George Dodd. 1804.
Hand Gun Lock.—Mr. Onion. 1797.
Instrument for Firing Cannon.—N. Douglas. 1813.
Model of a Ventilator.—Dr. Hale. 1768.
Model of a Stove for Ventilation.—Sir G. O. Paul. 1801.
Tube to convey Fresh Air into Hospitals, &c.—Wm. Shipley.
Model of a Sash Frame to ventilate Hospitals or Prisons.—Sir G. O. Paul. 1801.
Model of a Machine to prevent injury from the Dust in Pointing Needles.—George Prior. 1813.
Do. Do.—Thomas Wood. 1811.
Model of Improved Coach Springs.—Joseph Jacob. 1769.
Model of a Perch Bolt and Axletree.—Mr. Hall. 1777.
Coach Brace.—Mr. Grose. 1776.
Carved Iron Coach Guard.—John Hayward. 1784.
Model of a safe Lynch Pin.—J. Varty. 1809.
Model of a Carriage Wheel Guard.—John Padbury. 1813.
Model of a Waggon on Friction Wheels.
Model of a Waggon to turn in a short angle.—W. Bailey. 1772.
Model of a Timber Carriage.—John Lesant. 1788.
Model of a Cart with Locking Pole.—Thomas Colley. 1793.
Model of a Cart.—Thomas Knight. 1791.
Model of a Cart for Rail Roads.—Chas. Le Caan. 1805.

Model of a Drag, for a Two-Wheeled Cart.—Joseph Kneebone. 1795.

Model of a Cart with a Gripe to prevent accidents in going down Hill.—William Bowler. 1803.

Model of a method of raising a Loaded Cart when fallen.—Benjamin Smith. 1810.

Method of relieving a Horse when fallen.—J. Martin. 1812:

Model of a Machine to clear Roads from Mud.—Dr. Winterbottom.—1803.

Model of an improved Guide Post for Roads.—J. Swaine. 1813.

An improved Blow Pipe.—J. Tilley. 1813.

Model of a Fire Engine.—Mr. Ewer. 1786.

Model of a Fire Escape.—Mr. Martin.

Do. Do.—John Davis. 1810.

Do. Do.—A. Young, jun. 1813.

Model of an Elevator or Fire Escape.—T. Roberts. 1813.

Model of a safe and useful method of Burning Shavings in Work Shops.—Joseph Davis. 1813.

Machine for the use of Shoe-makers.—Thomas Holden. 1804.

Do. Do.—Thomas Parker. 1805.

Do. Do.—Andrew Stass. 1806.

Do. Do.—J. King. 1812.

Machine for Boot Closers.—A. Stass. 1807.

Last for Stretching Shoes.—W. Kelman. 7839.

Model of an improved Shop-Board for Tailors.—Sam. Barralet. 1813.

Machine to Teach Blind Persons the Rules of Arithmetic.—G. Granville. 1770.

Memorandum Book for Blind Persons.—Robert Bromley. 1788.

Characters for teaching Blind Persons Music.—G. James Cheese. 1787.

Instrument for teaching Blind Persons Music.—G. J. Cheese. 1787.

Machine by which Blind Persons can learn or teach Music.—Mat. Cooke. 1812.

Instruments for Persons who have lost their Hands.—John Morrison. 1810.

Eye Bath.—J. D. Ross. 1809.

Spring Crutch.—George Prisley. 1810.

Model of a Bedstead for the Sick and Lame.—Henry Earle. 1811.

Do Do.—John Higgins. 1811.

Cupping Instrument.—John Fuller. 1811.

Annular Saw which cuts beyond its Center.—T. Machell. 1812.

A Mechanical Substitute for Leeches.—J. Whitford. 1813.

CLASS 5th.

POLITE ARTS.

A drawing Case.

A portable Painter's Easel —Fred. Williams. 1813.

Fixable Mineral White. 1782.

Gum Mastick and Wax.—Miss Greenland. 1792.

Water Colours in Cakes.—Mess. Reeves. 1784.

British Indian Ink.—Mess. Reeves. 1784.

Oil Colours in Cakes.—Mr. Blackman. 1794.

Chalks—S. Grandi. 1806.

Samples of Colours.—S. Grandi. 1806.

Fixed Crayons.—S. Grandi. 1806.

Linseed Oil refined by S. Grandi. 1806.

Samples of Pannels prepared for Artists, by S. Grandi. 1806.

Concentrated Ox Gall, for the Use of Artists.—R. Cathery. 1810.

Sample of refined or colourless Ox Gall, for the Use of Artists.—Peltro William Tomkins, 1813

Specimens of Tracing Paper.—R. Cathery. 1812.

Sample of a Method of Preserving Oil-paintings from Decay.—Charles Wilson. 1813.

Medals—Presented by the Viceroy of Mexico. 1811.

Specimens of the Medals and Pallets given by the Society as Honorary Rewards.

CLASS 6th.

COLONIES AND TRADE.

Mattapany Tea.—Dr. Brooke, Maryland. 1760.
Rough Native Fossil Alkali.—East Indies. 1786.
Refined Native Fossil Alkali.—East Indies. 1786.
Caroba from Muscatt.—Dr. Anderson.
Gum Bable.—1790.
Cashoo Gum.—Dr. Titford. 1790.
Gum of the Bursera.—Dr. Dancer. 1790.
Gum Kutera.—M'Cowie. 1803.
Gum from—Dr. Anderson. 1806.
Dammer or Saul Resin.—Dr. Roxburgh. 1809.
Resin of a Tree called Boswellia Serrat.—Dr. Roxburgh. 1809.
Resin of Valeria Indica,—Dr. Roxburgh. 1809.
Cloves from Cayenne.—Henry Tolcher, Esq. 1793.
Do. from the Island of Dominica. 1798.
Cloves.—Dr. Anderson. 1800.
Do.—Dr. Anderson, St. Vincent. 1806.
Do.—Dr. Anderson St. Vincent. 1808.
Cinnamon Leaves.—Dr. Dancer, Jamaica. 1790.
Do. Do.—Dr. Anderson, Madras. 1793.
Root of a Cinnamon Tree.—Dr. Dancer, Jamaica. 1791.
Cinnamon.—Dr. Dancer. 1790.
Do.—Dr. Dancer, Jamaica. 1791.
Do.—Dr. Anderson, St. Vincent. 1802.
Do.—Mrs. Anstie, Madras. 1793.
Spirituous Distilled Water from Cinnamon Leaves.—Dr. Dancer. 1791.
Simple Distilled Water from Cinnamon Leaves.—Dr. Dancer. 1791.

Cinnamon Branches.—Mrs. Anstie, Madras. 1793.
Do.—Dr. Anderson, Madras. 1793.
Leaves and Seeds of the Cinnamon Tree.—Mrs. Anstie, Madras. 1793.
Cassia and Cinnamon.—General Melville. 1798.
Maple Sugar.—Dr. La Terrier, 1808.
Quebec or Canada Sugar from the Cotton Plant.—Wm. Vondenvelden. 1805.
Seeds of the Cotton Plant of Quebec.—W. Vondenvelden. 1805.
Seeds, &c. of the Dawn Tree.—Dr. Dancer. 1791.
Sample of Myrobolan Galls.—Dr. Roxburgh. 1805.
Sample of Black Myrobolan Galls.—Dr. Roxburgh. 1809.
Black Pepper.—Dr. Anderson. 1809.
East India Fever Bark.—Dr. Roxburgh. 1806.
Substitute for Sago.—Dr. Anderson. 1811.
Sweet Smelling Rush.—D. La Terrier, Madras. 1808.
Sample of the Papirus, from the River Arrappus near Syracuse.—Captain Maxwell. 1811.
Preserved Bread Fruit.—John Robley. Tobago. 1802.
Dried Bread Fruit Leaves and Seed.—J. Robley, Tobago. 1802.